

REMARKS

In the Official Action mailed on **23 February 2006**, the Examiner reviewed claims 1-29. Claims 1-9 and 11-13 were rejected under 35 U.S.C. 103(a) as being unpatentable over Datta (USPub. 2003/0004998, hereinafter "Datta"), and in view of Cuomo et al. (USPub 2004/0148474, hereinafter "Cuomo"). Claims 14-21, 23, and 24-29 were rejected under 35 U.S.C. 103(a) as being unpatentable over Datta in view of Doyle et al. (U.S. Pub. No. 2003/0046357 hereinafter "Doyle"). Claim 10 was rejected as being unpatentable over Datta and Cuomo in further view of Ims et al (USPub 2004/0049579, hereinafter "Ims").

Rejections under 35 U.S.C. §103(a)

Independent claims 1, 13, 14, 23, and 24 were rejected as being unpatentable over Datta in view of Cuomo. Applicant respectfully points out that Datta teaches a method for dynamically generating web pages (see Datta, Abstract). In particular, Datta teaches sending a web-page template to a dynamic proxy cache (see Datta, page 3, paragraph [0023]). Then, the dynamic proxy cache inserts cacheable content-fragments into the web-page template to build a web page that the dynamic proxy cache then forwards to a user (see Datta, page 3, paragraphs [0023]-[0024]).

Applicant respectfully points out that Cuomo teaches a method for maintaining data consistency across a hierarchy of caches involving storing a set of linked dependency-identifiers (see Cuomo, page 3, paragraph [0029], lines 11-17). When there is a change to data in one cache, Cuomo teaches issuing a command to invalidate the data in all of the caches (see Cuomo, page 3, paragraph [0029], lines 26 – page 4, line 6).

In contrast, the present invention teaches a novel method for "piggybacking" an invalidation message. This method involves including a

message invalidating a set of data with a response to a data request, wherein the message invalidating the set of data is unrelated to the data request (see page 11, lines 21-25, and see page 14, lines 1-19 of the instant application). In other words, the invalidation message is “piggy-backed” onto a possibly unrelated response. This is advantageous because a separate communication mechanism is not required to invalidate the set of data (see page 7, lines 12-14 of the instant application). Using an existing communication mechanism is beneficial because each time a system establishes a new communication mechanism the system has to navigate security features (see page 2, lines 10-19 of the instant application). Moreover, the present invention avoids special security arrangements that a system may require to communicate such data invalidations (see page 12, lines 7-10 of the instant application).

There is nothing within Datta or Cuomo, either separately or in concert, which suggests including with a response to a data request a message invalidating a set of data, wherein the message invalidating the set of data is unrelated to the data request


Accordingly, Applicant has amended independent claims 1, 13, 14, 23, and 24 to clarify that the present invention sends a message, along with a response to a data request, invalidating a set of data that is unrelated to the data request. These amendments find support on page 11, lines 21-25, and on page 14, lines 1-19 of the instant application. Dependent claim 5 has been cancelled without prejudice.

Hence, Applicant respectfully submits that independent claims 1, 13, 14, 23, and 24 as presently amended are in condition for allowance. Applicant also submits that claims 2-4, and 6-12, which depend upon claim 1, claims 15-22, which depend upon claim 14, and claims 25-29, which depend upon claim 24, are for the same reasons in condition for allowance and for reasons of the unique combinations recited in such claims.

CONCLUSION

It is submitted that the present application is presently in form for allowance. Such action is respectfully requested.

Respectfully submitted,

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